



P.B.5818 - Patentlaan 2
2280 HV Rijswijk (ZH)
☎ +31 70 340 2040
TX 31651 epo nl
FAX +31 70 340 3016

Europäisches
Patentamt

Zweigstelle
in Den Haag
Recherchen-
abteilung

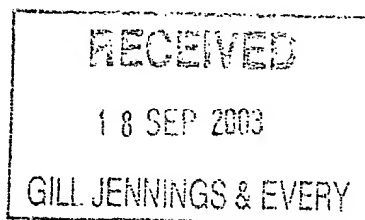
European
Patent Office

Branch at
The Hague
Search
division

Office européen
des brevets

Département à
La Haye
Division de la
recherche

Brunner, Michael John
GILL JENNINGS & EVERY,
Broadgate House,
7 Eldon Street
London EC2M 7LH
GRANDE BRETAGNE



DIARIED

Datum/Date

18.09.03

ichen/Ret./Réf.

MJB07274EP

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.

02102123.3-2208-

melder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

BOSE CORPORATION

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

2

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	EP 0 291 093 A (MATSUSHITA ELECTRIC IND CO LTD) 17 November 1988 (1988-11-17) * column 6, line 38 - column 7, line 33; figures 2,3 *	1-4,10,11,14-18,23,24,38-40,46,47,49-52	H01F27/36 H01F38/14
Y	* column 8, line 18-27; figure 4 *	26-28	
A	* column 10, line 19-37 *		
	* column 12, line 10-53; figures 5,6 *	6,8,19,21,31,33,42,44,53	
X	US 3 376 523 A (KERNS QUENTIN A) 2 April 1968 (1968-04-02) * abstract * * column 2, line 1-27 *	1,2,10-13,38,46-48	
A	* column 4, line 52 - column 6, line 32; figures 1-4 *	6,8,42,44	TECHNICAL FIELDS SEARCHED (Int.Cl.7) H01F
X	US 4 156 829 A (HARADA AKIKAZU) 29 May 1979 (1979-05-29) * column 3, line 47 - column 4, line 28; figures 2A,4A *	1,2,38	
X	US 4 223 245 A (OGURA KOICHI ET AL) 16 September 1980 (1980-09-16) * column 2, line 52 - column 3, line 26; figure 1 * * column 3, line 38-48; figure 3 *	1,2,38	
Y	US 5 386 148 A (FIORI JR DAVID) 31 January 1995 (1995-01-31) * column 6, line 35 - column 7, line 12 *	26-28	
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 4 September 2003	Examiner Reder, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure I : intermediate document		I : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

1
EPC FORM 1503 03/82 (11-1-2001)



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 10 2123

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Y	DATABASE WPI Derwent Publications Ltd., London, GB; AN 2001-311774 XP002253419 & JP 2001 075654 A (SONY CORP), 23 March 2001 (2001-03-23) * abstract *	26-28	
A	WO 98 50956 A (UNIV LELAND STANFORD JUNIOR) 12 November 1998 (1998-11-12) * page 9, line 13-30; figures 4F, 4G, 4H, 4I * * page 14, line 1-19; figure 7 * -----	3, 4, 16, 17, 28, 29, 39, 40, 51, 52	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 4 September 2003	Examiner Keder, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		1 : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons 8 : member of the same patent family, corresponding document	

1
EPC FORM 1503 03.82 (Rev. 12/01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 10 2123

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

04-09-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0291093	A	17-11-1988	JP 1935232 C	26-05-1995
			JP 6065147 B	22-08-1994
			JP 63281386 A	17-11-1988
			JP 2098730 C	02-10-1996
			JP 8012792 B	07-02-1996
			JP 63281377 A	17-11-1988
			CA 1309752 C	03-11-1992
			DE 3853695 D1	08-06-1995
			DE 3853695 T2	07-09-1995
			EP 0291093 A2	17-11-1988
			KR 9103967 B1	17-06-1991
			US 5025489 A	18-06-1991
US 3376523	A	02-04-1968	NONE	
US 4156829	A	29-05-1979	JP 1347841 C	13-11-1986
			JP 53036156 A	04-04-1978
			JP 61014627 B	19-04-1986
US 4223245	A	16-09-1980	JP 1207554 C	29-05-1984
			JP 53090857 A	10-08-1978
			JP 58033648 B	21-07-1983
			DE 2802507 A1	27-07-1978
US 5386148	A	31-01-1995	US RE37130 E1	10-04-2001
			US 5436593 A	25-07-1995
			US 5694081 A	02-12-1997
JP 2001075654	A	23-03-2001	NONE	
WO 9850956	A	12-11-1998	AU 6468198 A	27-11-1998
			WO 9850956 A1	12-11-1998